



**Presented by Paul Bounds** 

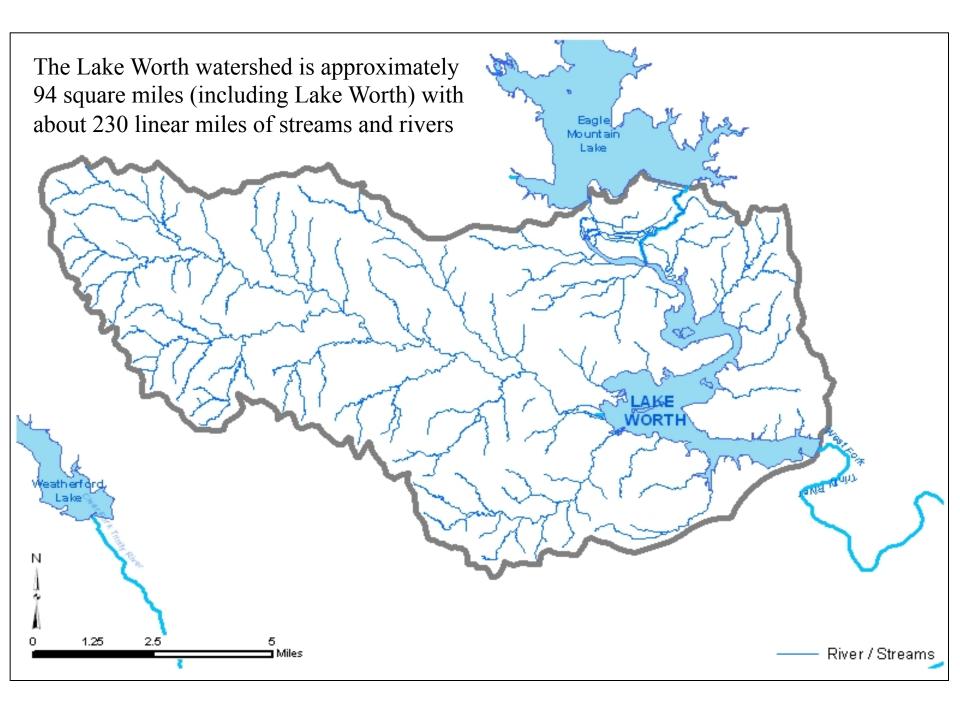
City of Fort Worth Water and Sewer Department December 17, 2015

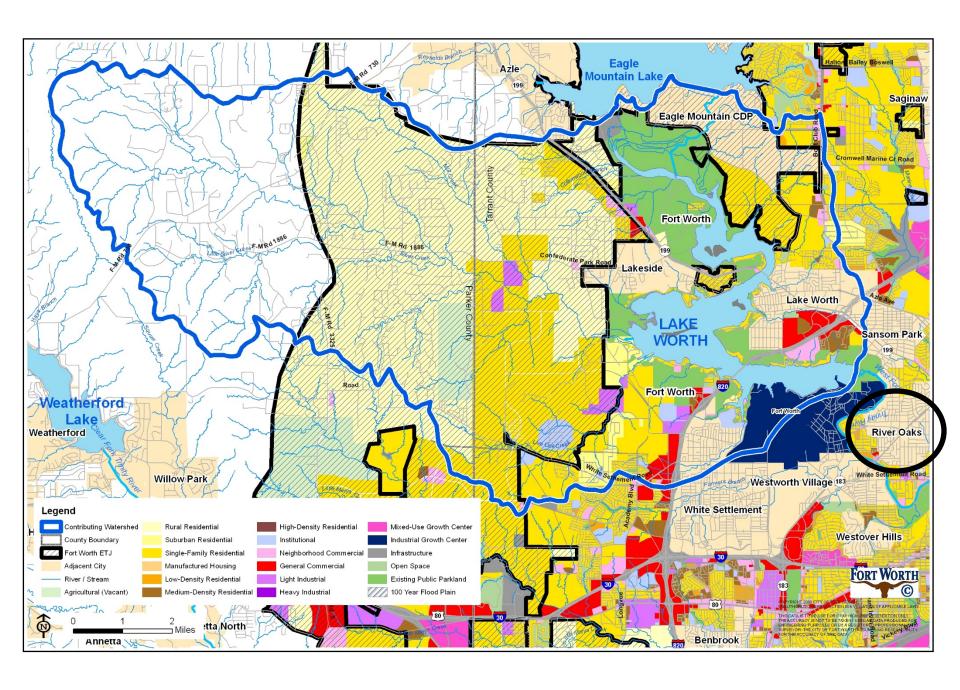
### Outline

- Watershed Management
- Historical Flood Events
- High Water Event Management

# Comprehensive Watershed Management Plan

- Minimize pollutants at source
  - Conduct Greenprint of Lake Worth watershed
  - Identify high value conservation zones
  - Protect high value zones through conservation easements and development regulations
  - Promote low-impact development
  - Adopt storm water management best practices
  - Promote incentive programs for SWMBP
- Establish and maintain collection points at discharge into Lake Worth
  - Sedimentation basins
  - Catch basins





## Flood Categories

| <ul> <li>Action</li> </ul> | n Stage | 594' |
|----------------------------|---------|------|
|----------------------------|---------|------|

- Flood Stage 597'
- Moderate Flood Stage 598'
- Major Flood Stage 599'

### **Historic Crests**

- 598.70 on May 3,1990
- 598.13 on October 14,1981
- 597.98 on December 20, 1991

#### Recent Crests

- 597.78 on June 10, 2004
- 597.47 on June 20, 2015
- 596.72 on November 28, 2015
- 595.33 on March 1, 2001

#### National Weather Service Advanced Hydrologic Prediction Service

water.weather.gov/ahps/



Observations courtesy of US Geological Survey .

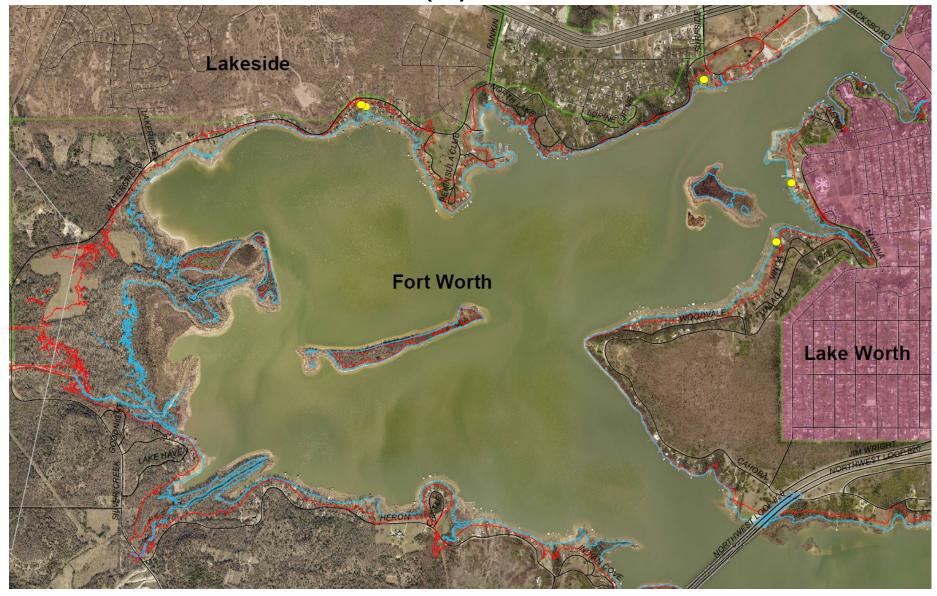
## Residential Flooding Elevations

- Food event defined as one where flood waters exceed the finished floor elevation of a residential structure.
- City acquired a "flood easement" at the time of sale from 594.0 to 600.0 to provide for water storage during high water events.

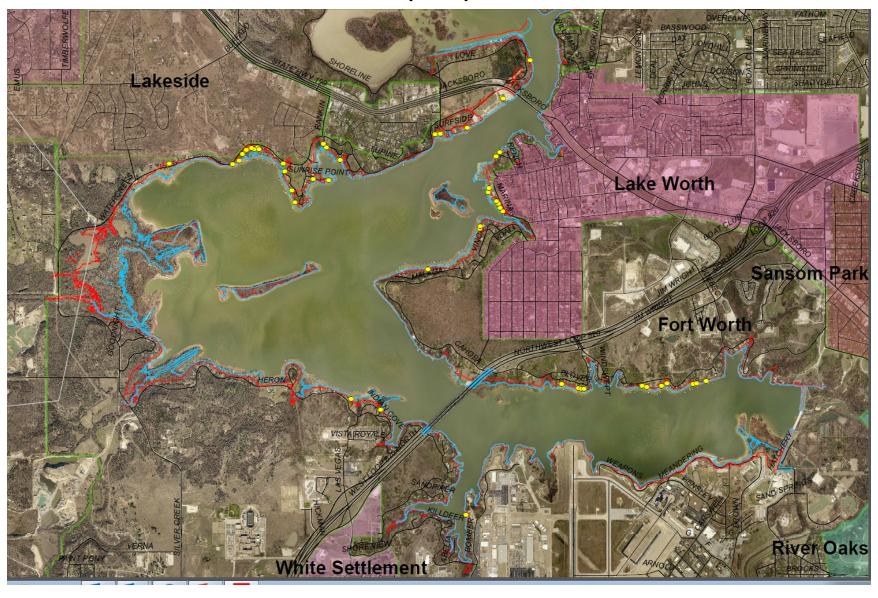
# High Water Event Management

- Notification of potential flooding of low lying houses begins at 595.0
- Emergency Operation Center notified at 595.0
- Boating activities are banned when elevations reach 595.5
- Flooding of low lying houses begins at 596
- 100 yr. Flood Elevation is 600

# HOUSES BELOW 598 (5)



# HOUSES BELOW 600 (45)



#### Websites

http://ww.trwd.com/lake-level-blog

 http://water.weather.gov/ahps2/ hydrograph.php?wfo=fwd+gage=flw+2

# Questions?